

WHAT IS CLAIMED IS:

1. An apparatus having a communication function,
comprising:

5 first switching means for switching between first
and second stand-by modes in a stand-by state; and

second switching means for switching between first
and second communication modes for the communication
function,

10 wherein switching by said first switching means
and switching by said second switching means are
performed in cooperation with each other.

15 2. The apparatus according to claim 1, wherein
the first and second stand-by modes have different
consumption powers.

20 3. The apparatus according to claim 1, wherein
the first and second communication modes have different
consumption powers.

25 4. The apparatus according to claim 1, wherein
while switching by said second switching means is
performed, switching by said first switching means is
performed.

5. The apparatus according to claim 1, wherein
when the apparatus communicates with another apparatus

by using the communication function, switching by said second switching means is performed.

6. The apparatus according to claim 1, wherein
5 the communication function is a wireless communication function.

7. The apparatus according to claim 1, wherein
10 the communication function realizes communications in conformity with Bluetooth specifications.

8. The apparatus according to claim 5, wherein
the first communication mode is an active mode of
Bluetooth specifications and the second communication
15 mode is one of a park mode, a sniff mode and a hold mode of the Bluetooth specifications.

9. The apparatus according to claim 1, further comprising:
20 returning means for returning a response to a request from another apparatus to be connected by using the communication function; and

process switching means for selectively executing
a first process of notifying the request from the other
25 apparatus to said returning means and a second process of notifying the request to the returning means for the other apparatus,

wherein said process switching means switches between the first and second processes in response to switching by said second switching means.

5 10. The apparatus according to claim 9, wherein the second process is executed during the first stand-by mode and is not executed during the second stand-by mode.

10 11. The apparatus according to claim 9, further comprising:

judging means for judging whether switching by said first switching means is performed in response to switching by said second switching means,

15 wherein said process switching means switches between the first and second processes in accordance with a judgement by said judging means.

20 12. A method of controlling an apparatus having a communication function, comprising:

a first switching step of switching between first and second stand-by modes in a stand-by state; and

25 a second switching step of switching between first and second communication modes for the communication function,

wherein switching by said first switching step and switching by said second switching step are performed

in cooperation with each other.

13. A storage medium storing a program for
controlling an apparatus having a communication
5 function, the program comprising:

a first switching step of switching between first
and second stand-by modes in a stand-by state; and

a second switching step of switching between first
and second communication modes for the communication
10 function,

wherein switching by said first switching step and
switching by said second switching step are performed
in cooperation with each other.

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